

Thorough, Safe and Secure

fedora^f™ *Security Lab*

and the OSSTMM

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<http://fedoraproject.org>

[Eco Systems]



[Two Security Lab Prototypes!]



Fedora Security (Lab) Spin
Fedora (TM) - License Agreement

OSSTMM Lab



[Clarification - yes i know compliance is boring ... ;)]

**The Fedora® Project and the
ISECOM - both are independent
non profit entities**

**Both are part of the
FOSS ECO System!**

Share relationships

/me

This presentation incl. Fedora Artwork
& all Backgrounds licensed **cc-by-sa**
by the Fedora Project

ISECOM and OSSTMM logos and schematics licensed by Open Methodology Licence and/or **cc-by-nd**

[History: started @ foss.in Bangalore 2009]

Note: the software listed below has not yet been verified to make sure the licenses meet our [Guidelines](#). Please see the [NewPackageProcess](#) to help get these packages into Fedora.

Software	Description	Notes
airsnarf	irc proxy for irc clients with...	
apf	PF is a policy-based firewall for all system designed for ease of use and configuration...	Packager unfriendly.
autopsy	The Autopsy Forensic Browser provides graphical interface to the command line Digital Investigation tool, the Sleuth Kit...	Under review (Bug
cryptcat	Cryptcat is the standard netcat enhanced with twofish encryption.	kashyapc is looking this
hydra	A very fast network logon cracker which support many different services	https://bugzilla.redhat.com/show_bug.cgi?id=563471
iisenum	Enumerates IIS virtual directories, files and folders...	461385)
metasploit	The Metasploit Framework is an advanced open-source platform for developing, testing, and using exploit code.	
tct	Tools for analyzing a system after a break-in	

- pick up the Idea - give it a home - <http://fedorahosted.org/security-spin/>
- Contributor Wishlist - https://bugzilla.redhat.com/show_bug.cgi?id=563471
- Improve spin section content - went to spins.fedoraproject.org/security
- move to SLiM as desktop manager - moved to SLiM -> moved to LXDM ...
- move to LXDE as window manager - we moved to LXDE -> move to XFCE ?
- become a official spin in Fedora 13 - we made it as a official Fedora Security Spin in Fedora 13, 14, 15, 16, 17 and will be for 18

- LIMITS - Webapplication testing tools + implementing OSSTMM upstreams - we packaged SCARE, unicornscan also brought up limits of a large FOSS Project
- become the official OSSTMM Distro - ISECOM's Pete Herzog announced OSSTMM Lab as the "New live linux distro for OSSTMM users" - on 12.September 2012

- new features in the current Version of the OSL (v3.8b4 (F17))with input from the ISECOM HHS Team!

- collect input and suggestions from you for the next version - contribute!
- XFCE, OSSTMM 4 Point Menu Workflow, HHS Content?

Content for the Spins Page

Slogan

Thorough, Safe & Secure

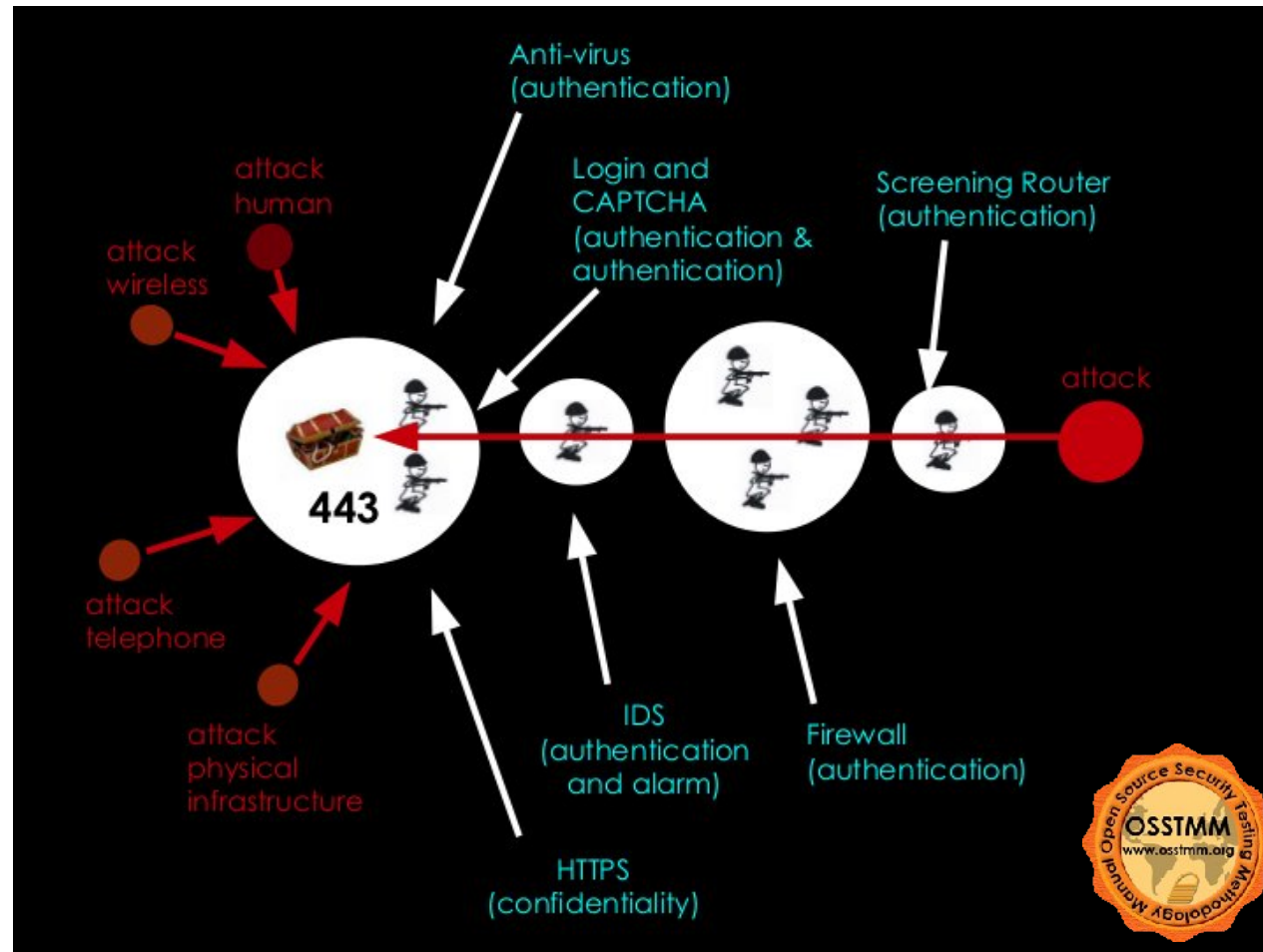
Spin description

The Fedora Security Spin is a livecd based on Fedora to provide a safe test-environment for working on security-auditing, forensics and penetration-testing, coupled with all the Fedora-Security features and tools.

The spin is maintained by a community of Security Testers and Developers. It comes with the clean and fast openbox window manager and a customized menu to have all the instruments one may need to follow a proper test-path. With the read-write roots, it is possible to install software while the livecd is running. The Fedora liveusb-creator provides an overlay feature to put the security-spin on an usb-stick so that the user can install and update software - and can save his test-results permanently.

[Legacy Security]

- physical – technical
 - Firewall
 - IDS, HIDS
 - Antivirus
 - Security GW
 - Screening Router
 - Spamfilter
 - Multi-level Authentication
 - VPN



Build

[one truth?]

“Secure”

Patch

Update

Patch

Patch Again

Update

Clean

Fix

re-Build

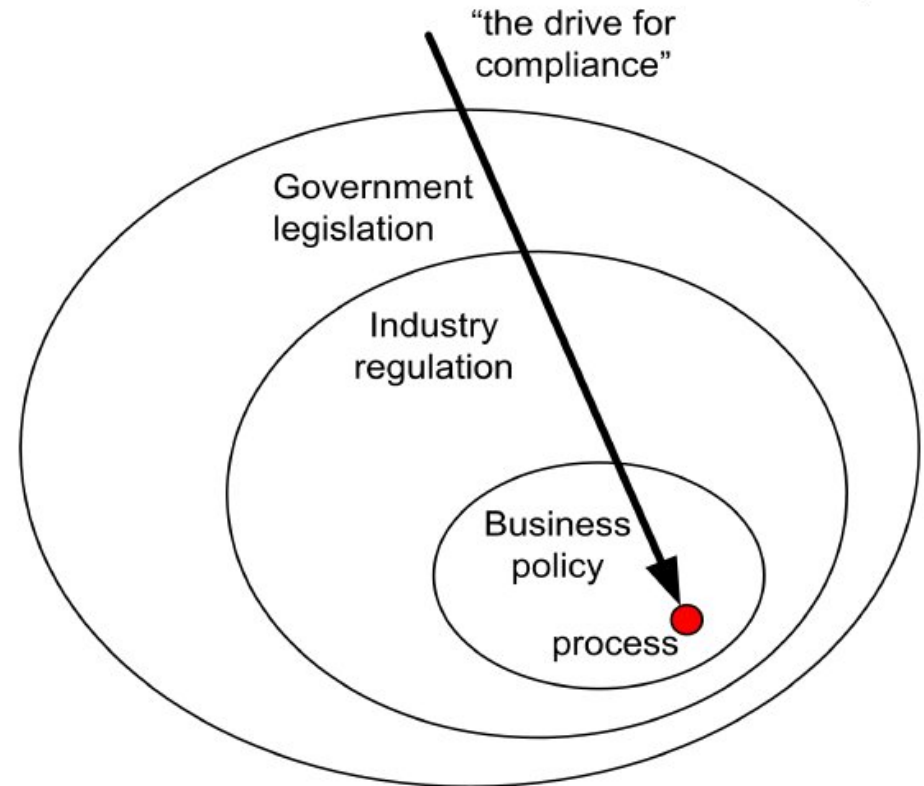




WARNING
slippery surfaces
when icy conditions

[Compliance?]

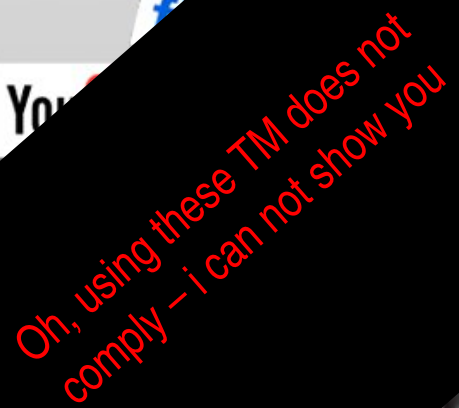
- Comply!?
But not secure?
Blocked?
- Get the Audit Result you need?
But not secure?
Blocked?
- Secure?
But not compliant?
Blocked?



Quelle: OSSTMM ISECOM

Security Today?

Cloud – Social Media – Mobile Platform?



Oh, using these TM does not comply – i can not show you



Oh, using these Prototypes does not comply – i can not show you

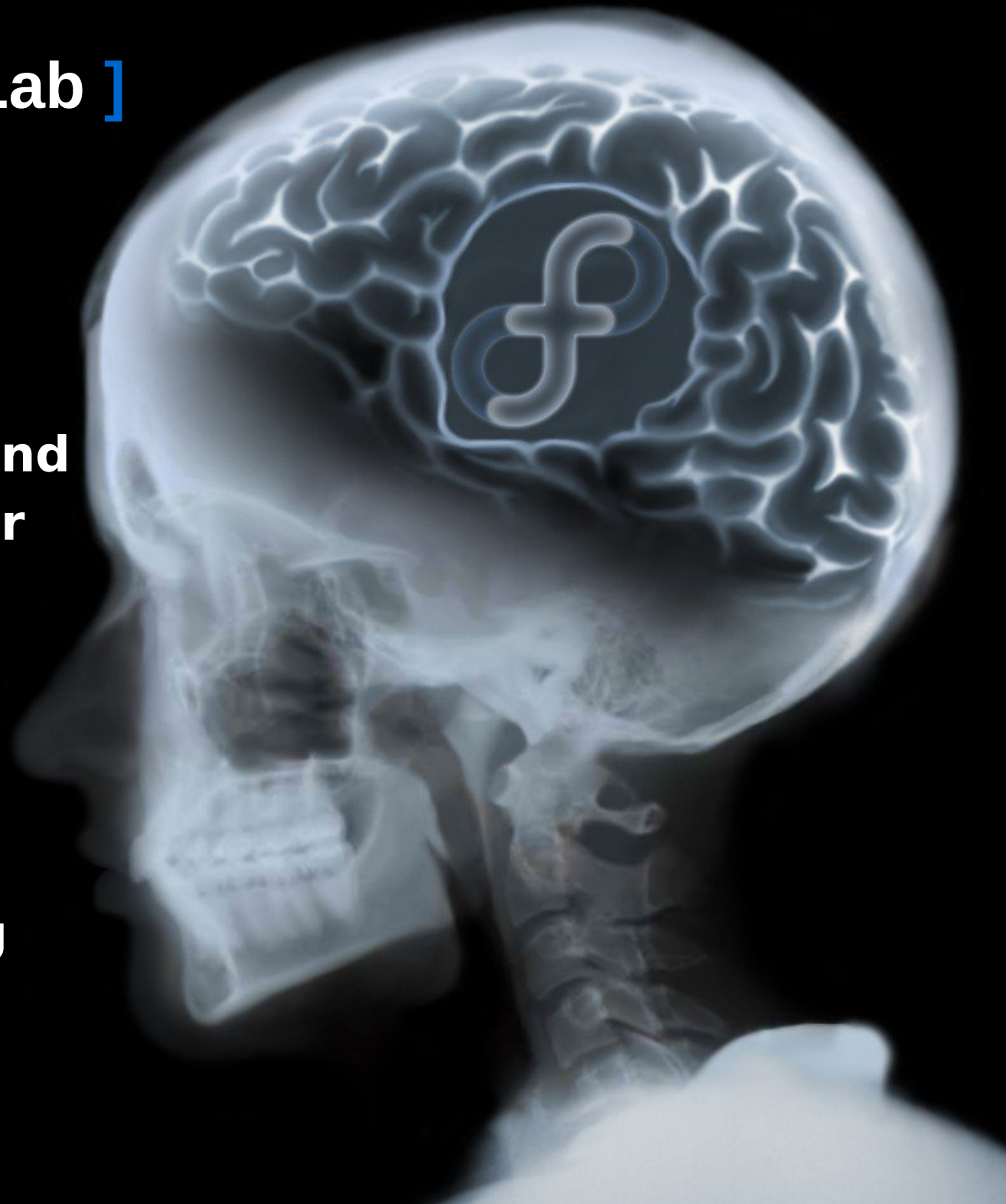


[how to find out how much security do you really need?]

[Fedora Security Lab]

A open source test- and education platform for

- security-auditing**
- forensics**
- penetration-testing**



[features]

- a safe livecd-place for testing
- all fedora security features
- ability to install on HD and USB
- install software anytime
- clean, functional, fast



[developed by testers for testers]






- **collaborative developed**
- **community <> commercial benefits**
- **along our core values**



[possible benefits]

- usecase for the FSL
- new cool upstreams
- implemented methodology
- fedora get taught along the OSSTMM

UnicornScan	A port and protocol scanner with the speed and power to catch a Unicorn. Actually, a truthful scanner that scales to very large networks while remaining equally fast. The scanner is truthful as it tells the tester exactly what is being returned in a clear format with no tricks to try to outsmart the auditor's experience. Results may go to an SQL DB for results you can revisit and map. A must have in any toolkit!	www.unicornscan.org
AFD	Active Filter Detection is one step, according to the Open Source Security Testing Methodology Manual, that security auditors should perform to identify the presence of Intrusion Prevention Systems and other technologies that would directly impact the quality of a security assessment.	www.purehacking.com/afd/

DNS Scan	A PERL script which supplements the DNS connect scanning task under the Port Scanning Module. Uses DNS connections on a class C to find live hosts through a firewall.	
MUTATEv2	an IDS evasion tool from Efrain Torres for assisting in system enumeration, port scanning, and vulnerability testing.	
Assessment Scanner	A JAVA tool which supplements the Document Grinding Module for electronic dumpster diving. Supports GET and POST requests.	
NWRAP	A tool developed by Simon Biles to add the Open Protocol Resource Database as an extended functionality to NMAP. This will show all known protocols for discovered ports which greatly extends the nmap_services file of one service per port. For this to work, NMAP must be installed and you should include the current version of the oprp.dump should be in the same directory.	
Metis v. 2.1.	This is a Java-based tool from Sacha Faust for finding the competitive intelligence weight of a web server and assists in satisfying the CI Scouting	

[benefits]

OSSTMM- Lab

Modified Version of the
Fedora Security Lab

Packaging upstream
Tools from the OSSTMM Team

A stable platform
for teaching the curriculum
For OSSTMM and HHS

Integrate the Methodology Flow
Into one possible Toolset



Hacker Highschool

SECURITY AWARENESS FOR TEENS

LESSON 1
BEING A HACKER

Welcome to Fedora-Security-Spin!

Boot

Verify and Boot

Memory Test

Boot from local drive

Press [Tab] to edit options



fedora^f

```
Welcome to OSSTMM-Labv3.1b!  
  
Boot  
Boot (Basic Video)  
Verify and Boot  
Memory Test  
Boot from local drive
```

Press [Tab] to edit options



ettercap NG-0.7.3

ts Hosts View Mitm Filters Logging Plugins

ETERCAP

eth0... (Ethernet)

11:25:B2:36:68 10.1.1.129 255.255.255.0

h needs a valid 'redir_command_on' script in the ette
pped to UID.65534 GID.65534

The Wireshar

File Edit View Go Capture Analyze Statisti

Filter:

About Nmap and Zenmap

Zenmap 5.00

Copyright 2005-2009 Insecure.Com LLC

Nmap

Nmap is a free and open source utility for network exploration and security auditing.

Zenmap


Zenmap is a multi-platform graphical Nmap and results viewer. It was originally derived

Umit

Umit is an Nmap GUI created as part of the Nmap/Google Summer of Code program.

Umit credits

About OpenVAS



<http://www.openvas.org/>

OpenVAS-Client 3.0.2.
NessusClient origin: Copyright 1998-2007 Renaud Deraison
Most new code since OpenVAS-Client: Copyright 2009 Greenbor
License: GNU GPL v2

Authors:
Renaud Deraison
Thomas Arendsen Hein
Jan-Oliver Wagner
Bernhard Herzog
Michel Arboi (SSL Support)
Bruce Verderaime (Pie/Charts)
Matthias Mundell
Michael Winkler
Günther Wörstel

[test-tool all-stars <]

WIRESHARK

The World's Most Popular

Capture

Interface List

Live list of the capture interfaces (counts incoming packets)

Start capture on interface:

- eth0
- eth1
- Pseudo-device that captures on all interfaces
- USB bus number 1
- USB bus number 2
- USB bus number 3
- USB bus number 4
- lo



fedora

File Edit View Go Bo

Back


CAL9000

XSS ATTACKS ENCODE/DECODE HTTP REQUESTS HTTP RESPONSES SCRATCH PAD CHEAT SHEETS HELP

MISC TOOLS CHECKLIST AUTOATTACK

CAL9000 Web Application Security Testing Assistant

Unless you have one of these ...



Community Chest

GET OUT OF JAIL, FREE



SELinux has detected suspicious b

SELinux is preventing /usr/bin/kismet_client "write" a

Today on Fri Nov 13, 2009 at 10:36:23 PM EST

SELinux denied access requested by kismet_client. It is not exp
kismet_client and this access may signal an intrusion attempt.
version or configuration of the application is causing it to requi

Security Tool

File View Help

Start level Stop Clear tests Save...

All Network (3)

Test	1	2	3	4	5
netserv	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
openssh	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
openvpn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
removedlibs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
etd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
suid	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Overview Test Results

Test info

Name: pam
Author: Tomas Heinrich <theinric@

Test groups

accounts

Test is defined in levels

Network, Server, Paranoid

description

[security features]

SELinux Administration

File Help

Select:

- Status
- Boolean
- File Labeling
- User Mapping
- SELinux User
- Translation
- Network Port
- Policy Module
- Process Domain

Add Property

Filter

File Specification

/

/*

[^/]+

/afs

/a?quota\.(user|group)

/.autofsck

/.autorelabel

/bin

/bin/*

/bin/alsaunmute

/bin/bash

/bin/bash2

SELinux Policy Generation Tool

Firewall Configuration

File Options Help

Wizard Apply Reload Enable Disable

Trusted Services

Other Ports

Trusted Interfaces

Masquerading

Port Forwarding

ICMP Filter

Custom Rules

Here you can define which services are trusted. Trusted services are all hosts and networks.

Service	Port/Protocol	Count
<input type="checkbox"/> DNS	53/tcp, 53/udp	
<input type="checkbox"/> FTP	21/tcp	
<input type="checkbox"/> IMAP over SSL	993/tcp	
<input type="checkbox"/> IPsec	/ah, /esp	
<input type="checkbox"/> Mail (SMTP)	25/tcp	

fedora

```

root@localhost:~
File Edit View Terminal Help
My traceroute [v0.75]
localhost.localdomain (0.0.0.0) Sat Nov 14 23:06:20 2009
Keys: Help Display mode Restart statistics Order of fields quit

Host      Loss%  Snt  Last  Avg  Best  Wrst  StDev
1. 192.168.1.1 0.0%  457  8.4  10.5  6.7  28.9  3.6
2. ???
3. 172.30.1.193 0.0%  457  8.4  10.5  6.7  28.9  3.6
4. e3-2.ST-X1.ip-bb.kabel-badenwuerttemberg.de 0.0%  457  48.5  11.8  6.6  60.1  7.8
5. ae1.FRA-M2.ip-bb.kabel-badenwuerttemberg.de 8.3%  457  12.6  15.2  9.4  115.3  11.4
6. HSI-KBW-091-089-091-002.hsi2.kabelbw.de 0.4%  456  16.5  20.8  9.7  208.4  26.2
7. xe-1-3-0.lax20.ip4.tinet.net 0.2%  456  169.7  174.3  168.0  259.5  13.4
8. peer1-gw.ip4.tinet.net 0.0%  456  165.8  170.8  165.8  322.9  16.8
9. ???
10. foss.in 1.5%  456  171.2  225.7  166.5  490.1  101.2

```

[little treasures]

- Fedora Security Spin
- Reconnaissance
 - ettercap
- Forensics
 - hping3
- Wireless
 - nc6
- Intrusion Detection
 - nc
- Code Analysis
 - ngrep
- Password Tools
 - nessus
- Terminal
 - zenmap
- Firefox
 - p0f
- Midori
 - sing
- cNetworkManager
 - scanssh
- MidnightCommander
 - scapy
 - socat
- Screenshot
 - tcpdump
- Applications
 - tiger
- Preferences
 - wireshark
- Administration
 - xprobe2
- Install to Hard Drive
 - nbtscan
- Desktops
 - tcpxtract
 - firewalk
 - hunt
 - Reconfigure
 - halberd
 - iptraf
- ObConf
- Exit

```

root@localhost
File Edit View Terminal Help
Welcome to Scapy (2.0.0.10 beta)
>>> res,unans = traceroute(["foss.in"],dport=[80])
Begin emission:
****Finished to send 20 packets.
*****Begin emission:
Finished to send 3 packets.
*Begin emission:
Finished to send 2 packets.
Begin emission:
Finished to send 2 packets.

Received 18 packets, got 18 answers, remaining 0:
 76.74.154.140:tcp80
1 192.168.1.1 11
3 172.30.1.193 11
4 172.30.1.46 11
5 78.42.40.15 11
6 91.89.91.2 11
7 89.149.184.153 11
8 77.67.70.206 11
10 76.74.154.140 SA
11 76.74.154.140 SA
12 76.74.154.140 SA
13 76.74.154.140 SA
14 76.74.154.140 SA
15 76.74.154.140 SA
16 76.74.154.140 SA
17 76.74.154.140 SA
18 76.74.154.140 SA
19 76.74.154.140 SA
20 76.74.154.140 SA
>>> res.graph()

```

```

Terminal
File Edit View Terminal Help
bash-4.0$ su -c "hping3 -T --ttl 3 --syn -p 80 foss.in"
Password:
HPING foss.in (eth3 76.74.154.140): S set, 40 headers +
hop=3 TTL 0 during transit from ip=172.30.1.193 name=UN
hop=3 hoprtt=19.3 ms
hop=4 TTL 0 during transit from ip=172.30.1.46 name=e3-2.ST-X1.ip-bb.kabel-badenwue
hop=4 hoprtt=60.6 ms
hop=5 TTL 0 during transit from ip=78.42.40.15 name=ae1.FRA-M2.ip-bb.kabel-badenwue
hop=5 hoprtt=12.4 ms
hop=6 TTL 0 during transit from ip=91.89.91.2 name=HSI-KBW-091-089-091-002.hsi2.kab
hop=6 hoprtt=21.3 ms
hop=7 TTL 0 during transit from ip=89.149.185.213 name=xe-1-3-0.lax20.ip4.tinet.net
hop=7 hoprtt=175.3 ms
hop=8 TTL 0 during transit from ip=77.67.70.206 name=peer1-gw.ip4.tinet.net
hop=8 hoprtt=170.4 ms
^C
--- foss.in hping statistic ---
10 packets transmitted, 6 packets received, 40% packet loss
round-trip min/avg/max = 12.4/76.6/175.3 ms

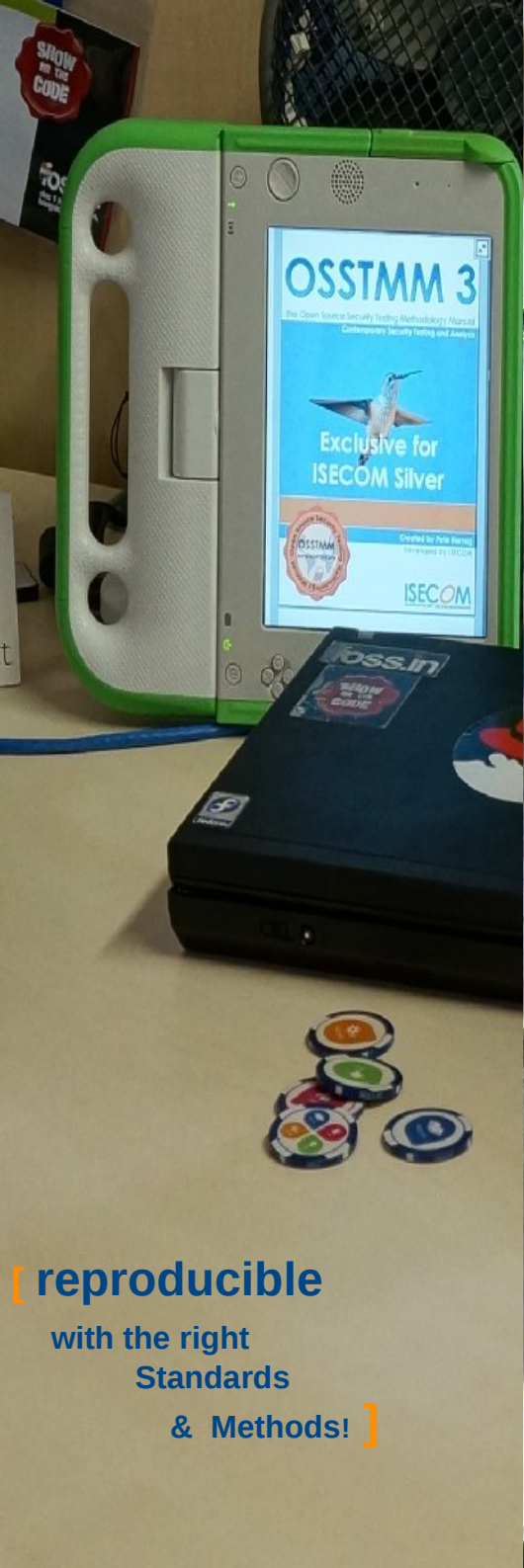
```



[know]



- your tools
- your responsibility
- the ramification
- a **way** for proper testing!



[**comparable**
real working Metrics
– based on scientific research]

[**neutral**
unbiased
by relying on
Open Standards & Open Source]

[**useful**
Reports
Management & Real world
compatible]

[**reproducible**
with the right
Standards
& Methods!]

[there is a Open Source way]

- How do current operations work?
- How do they work differently from how management thinks they work?
- How do they need to work?



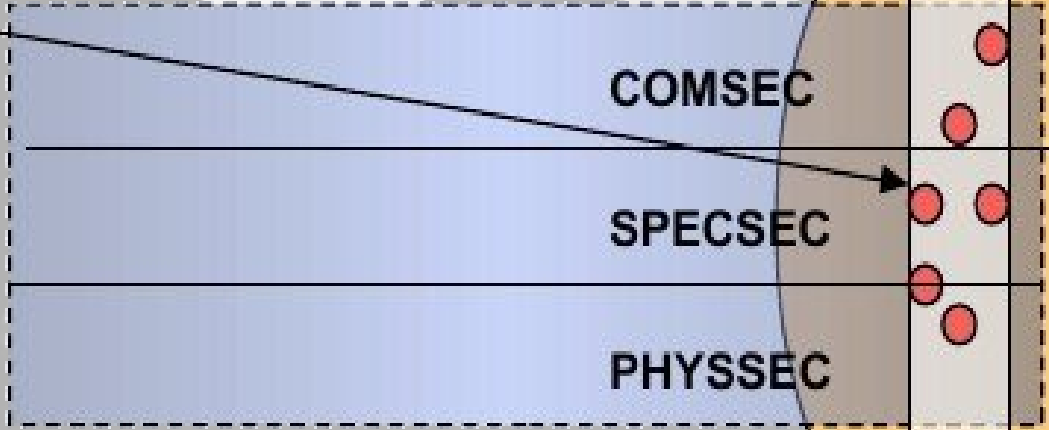
!= Checklist, solution based, best-practise

- **Measurable and comparable results**
- **Looks into operational Security and Trusts**
- **well developed Metric based on academic research**
- **„Thinking Out of the Box“**
- **ISECOM FOSS-Community - since January 2001 NPO**

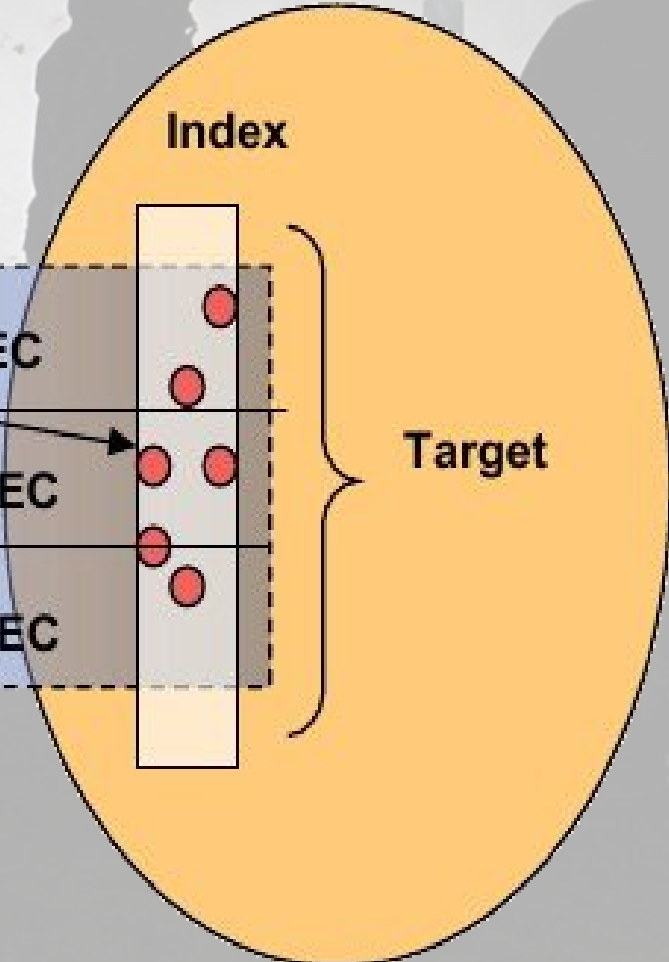




Vector



Channel



Index

Target

Scope



Usual testing synonyms

Blind/Blackbox Pentest

Graybox/Chrystal/RedTeam

Social Engineering

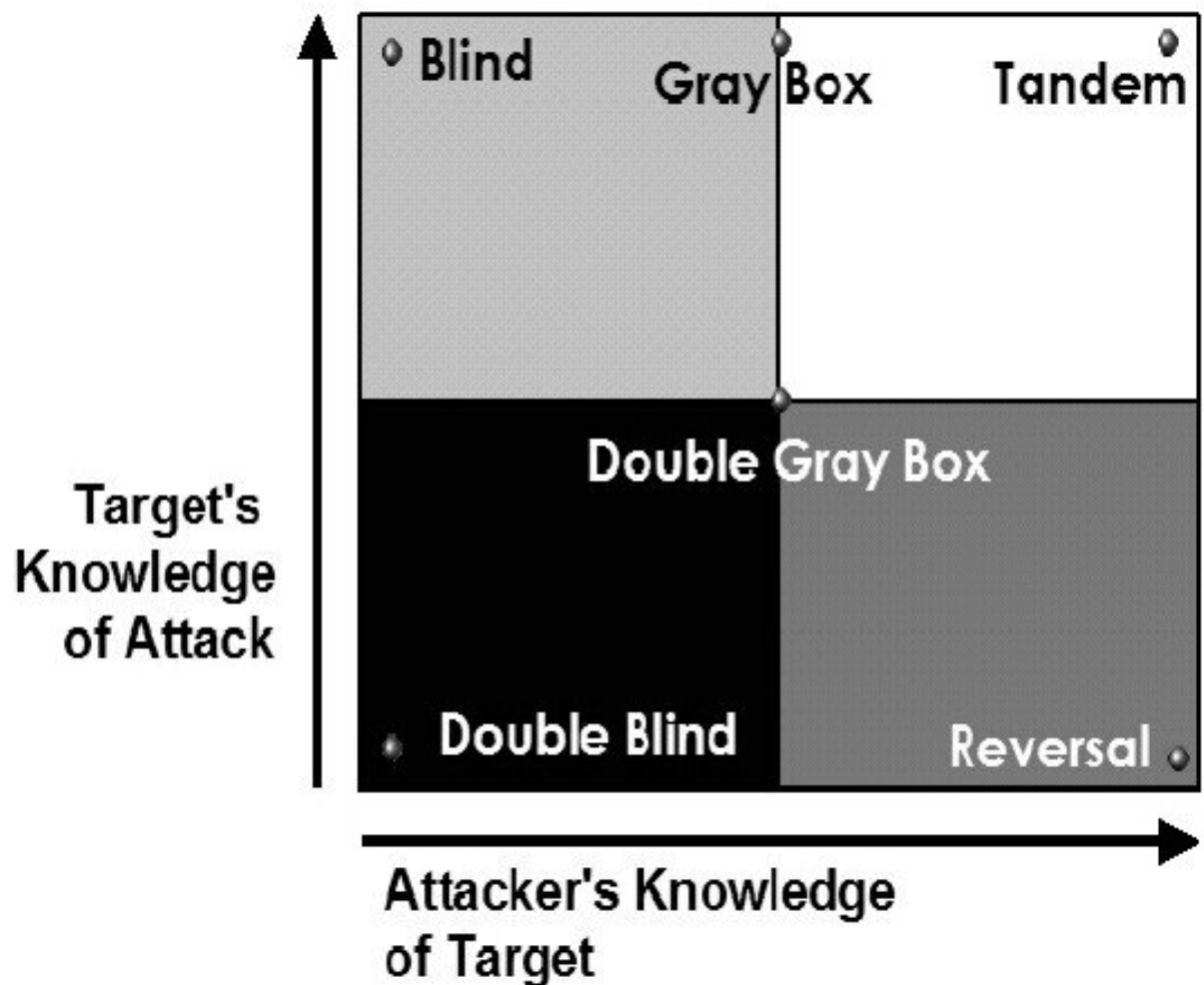
WarDriving

WarDialing

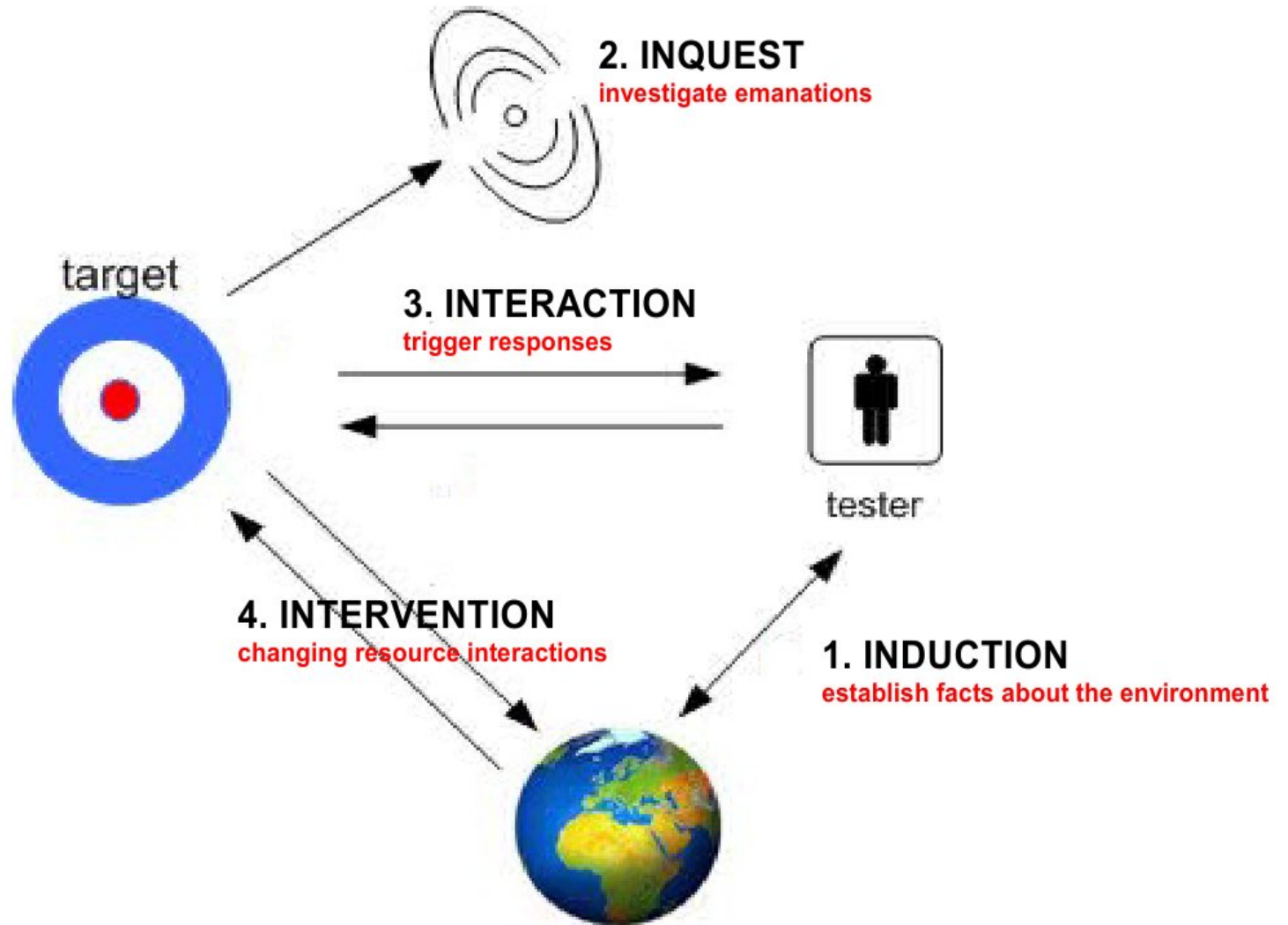
Configuration-Reviews

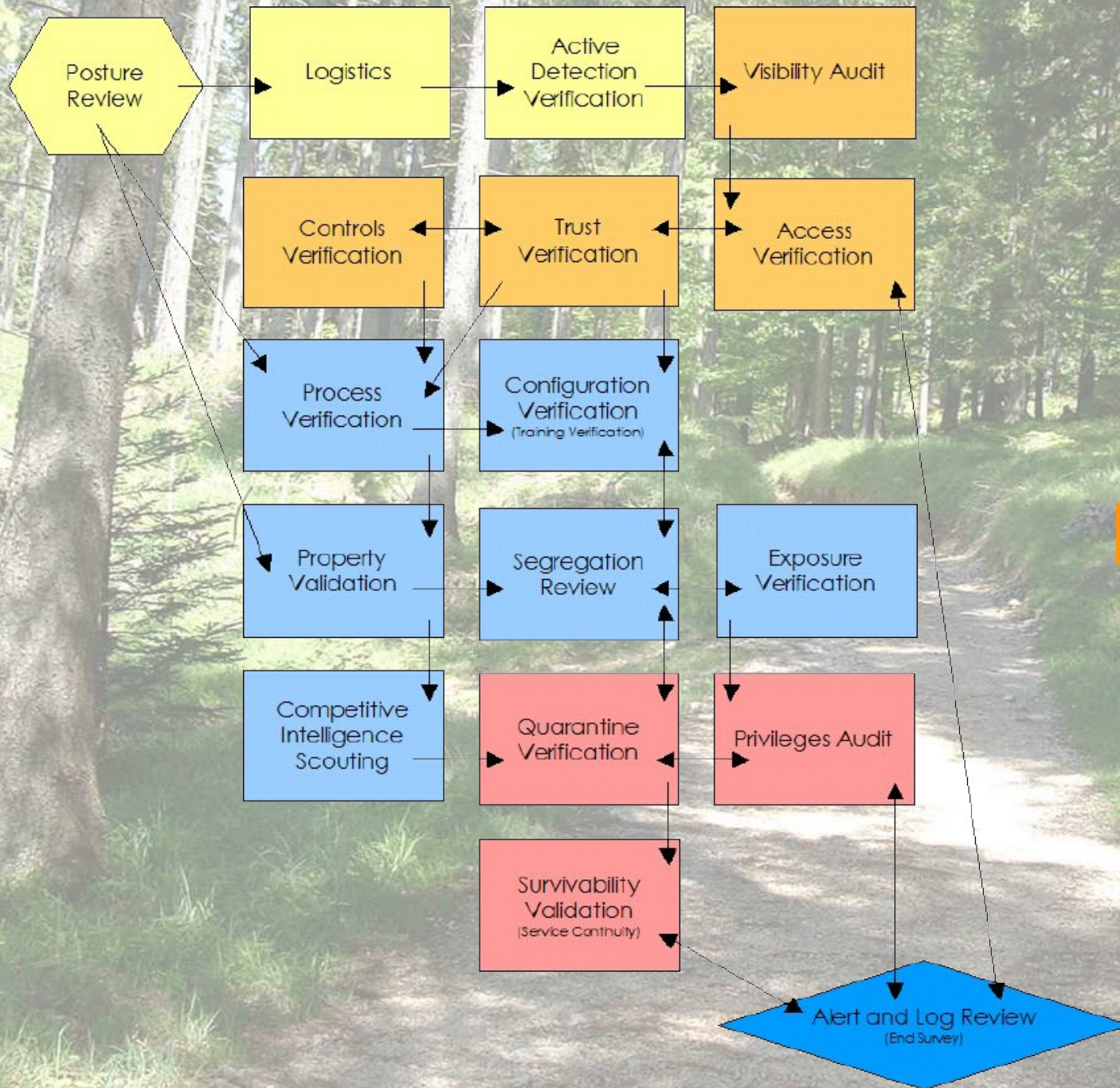
Code Reviews

Common Test Methods



[four points]



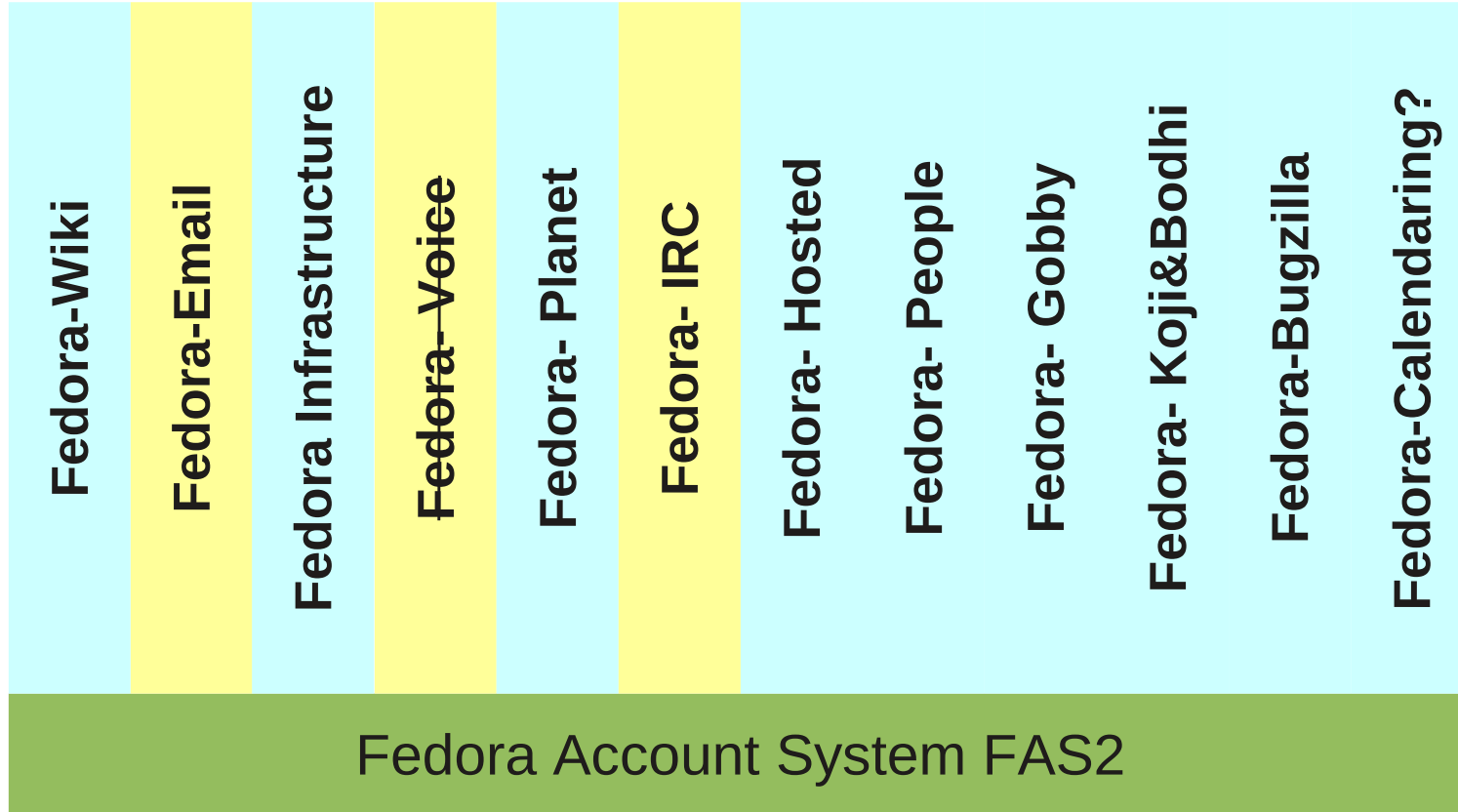


[testpath <]

„Trusting everyone is insecure but not trusting anyone is inefficient“

OSSTMM 3.0

broken trust has consequences



Fedora Trusts you!

- Fedora „Code“ is used by **30 Mio. Users!**
- Contributor from
 - More than **400** commit Groups
 - **~25000** Contributors

Logged in: jsimon

fedora^f

Learn about Fedora | Download Fedora | Projects | Join Fedora | Communicate | Help/Doc

Home
My Account
Group List
Join a Group
VoIP
Yubikey
News

Your Fedora Account

Account Details (edit)

Account Name: jsimon
Full Name: Joerg (kital) Simon
Email: simon@simline.de
Telephone Number: +0 49 71 50 88 54
Country: DE
IRC Nick: kital
PGP Key: C823558E585B5688
Public SSH Key: ssh-rsa AAAAB3NzaC1y....
Password: Valid (change)
Account Status: Active
CLA: CLA Done
Privacy: Account Information Public

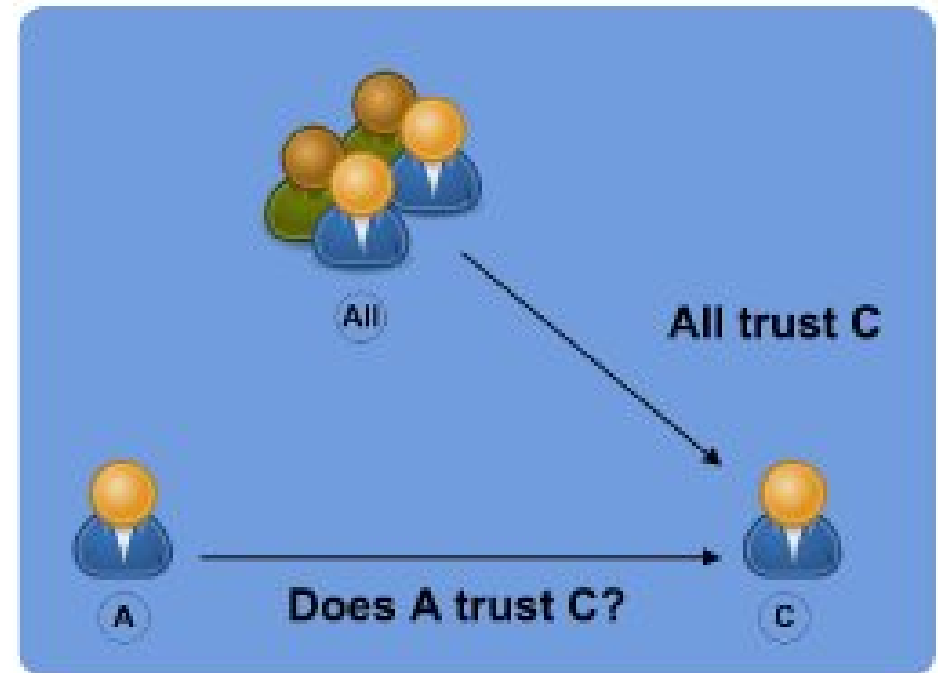
Your Roles

- Fedora Ambassador Project** (administrator)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
 [Manage Group Membership...](#)
 [Manage Group Details...](#)
 Queue:
 - [scottainslie](#) requests approval to join **ambassadors**.
 - [carterpants](#) requests approval to join **ambassadors**.
 - [sofronics](#) requests approval to join **ambassadors**.
 - [mitchenerg](#) requests approval to join **ambassadors**.
 - [x454447415244](#) requests approval to join **ambassadors**.
- Signed CLA Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Fedora CLA Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Translation CVS Commit Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Fedora Ambassador Steering Committee Group** (administrator)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
 [Manage Group Membership...](#)
- Fedora Ambassador Steering Committee Group** (administrator)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
 [Manage Group Membership...](#)
- Fedora Board** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Fedora Bugs Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Free Electronic Lab Git Commit Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- FAMA git Commit Group** (administrator)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
 [Manage Group Membership...](#)
 [Manage Group Details...](#)
- Fedora Websites Team GIT Commit Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Security Spin** (administrator)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
 [Manage Group Membership...](#)
 [Manage Group Details...](#)
- Spin-kickstarts Git Commit Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)
- Fedora Packager CVS Commit Group** (user)
 Status: Approved
 Tools: [View Group](#)
 [Invite a New Member...](#)

„There are only 2 ways to steal something: either you take it yourself
or you have someone else take it and give it to you“

Trust Properties!

- Trust is
 - no Emotion!
 - **a Decision!**
 - not quantifiable
between humans!
- Wrong Trust Properties
- no Control = Blind Trust!



[Quantify Security]



- **Visibility**
- **Access**
- **Trust**

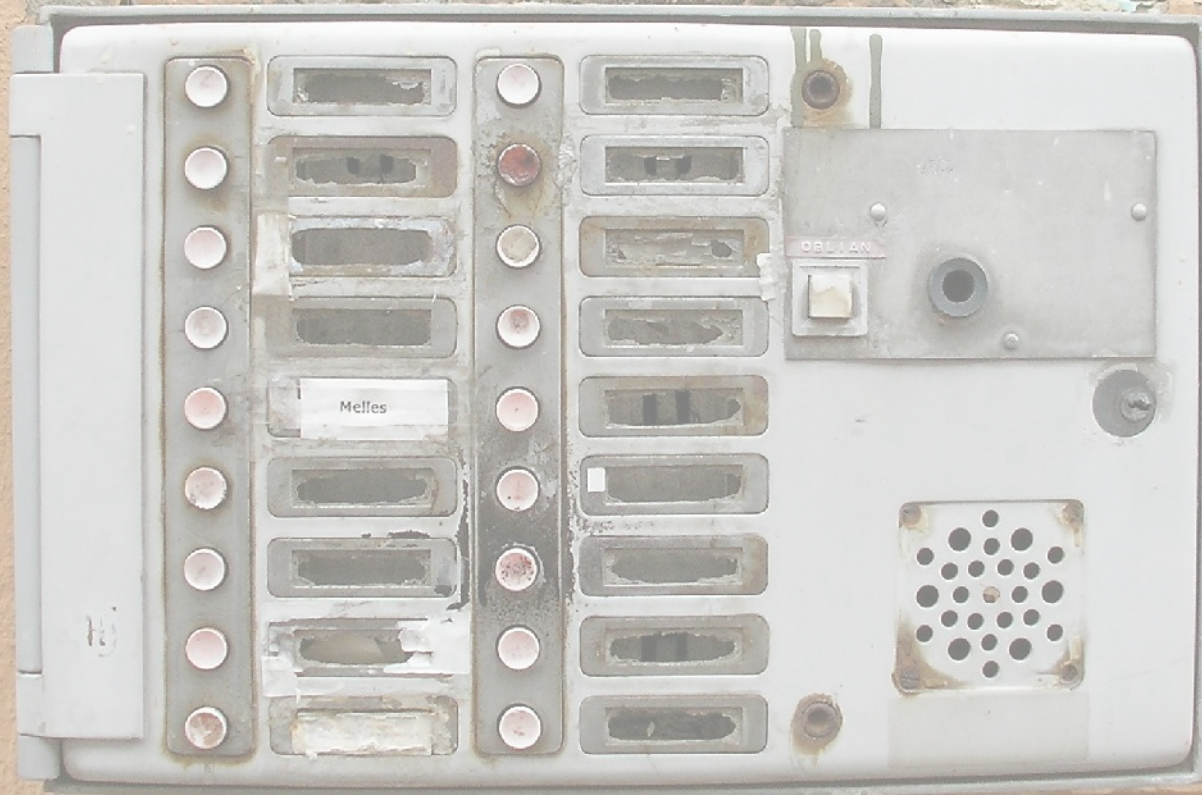
[porosity]



[controls]



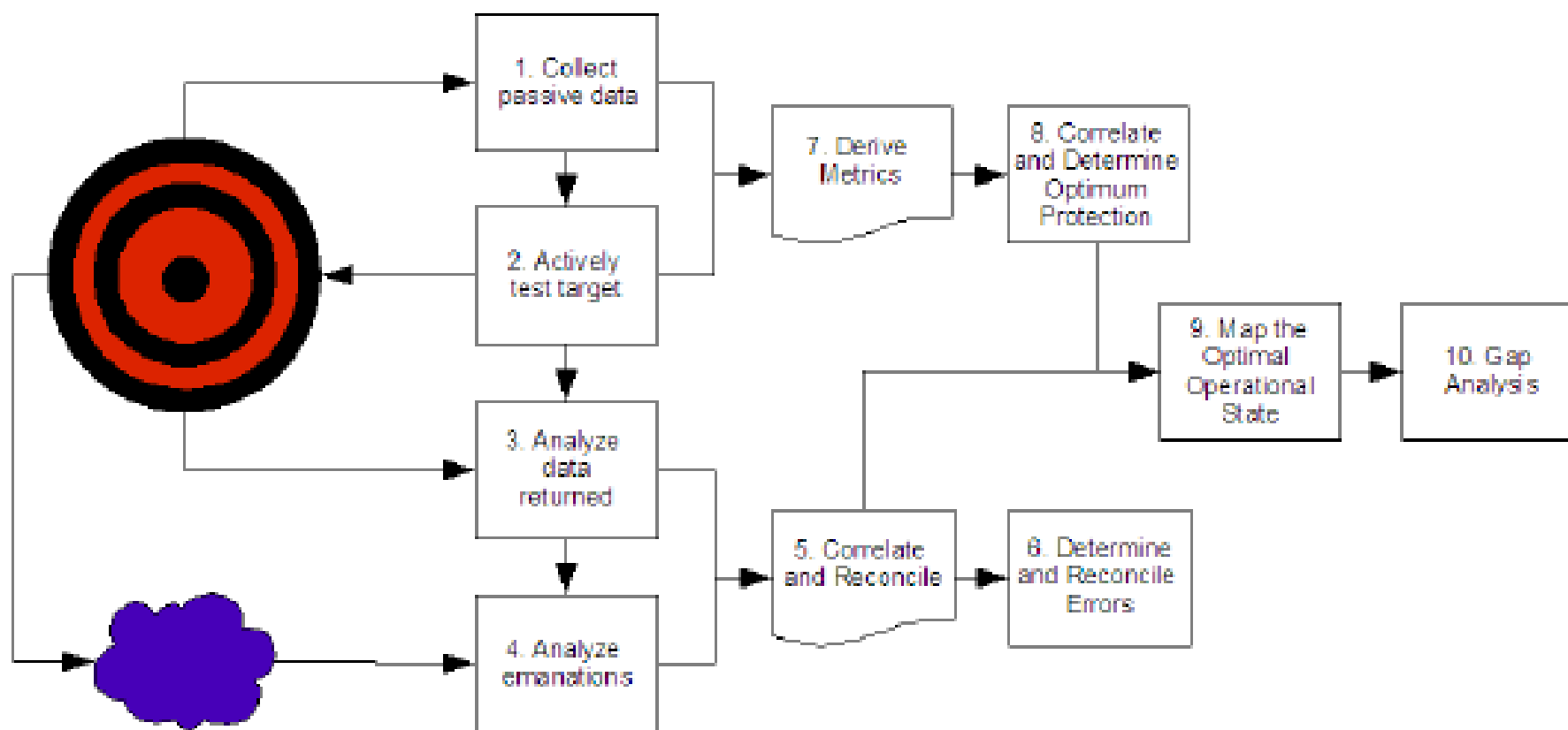
[limitations]



OSSTMM Risk Assessment Value

Category		OPSEC	Limitations
Operations		Visibility	Exposure
		Access	Vulnerability
		Trust	
Controls	Class A - Interactive	Authentication	Weakness
		Indemnification	
		Resilience	
		Subjugation	
		Continuity	
	Class B - Prozess	Non-Repudiation	Concern
		Confidentiality	
		Privacy	
		Integrity	
		Alarm	
			Anomalies

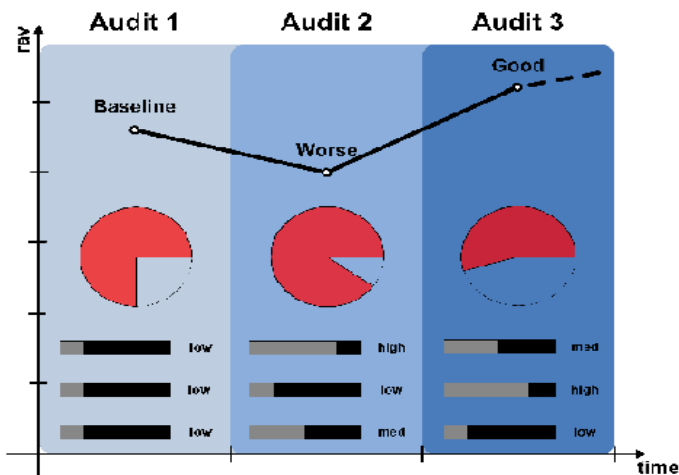
[done properly?]



[Ressources]

www.osstmm.org

www.isecom.org



Attack Surface Security Metrics

RAV version 3.0 - OSSTMM version 3.0

			ISECOM INSTITUTE FOR SECURITY AND OPEN METHODOLOGIES	
OPSEC				
Visibility	0			OPSEC 0,000000
Access	0			
Trust	0			
Total (Porosity)	0			
CONTROLS				
Class A		Missing		True Controls 0,000000
Authentication	0	0		Full Controls 0,000000
Indemnification	0	0		
Resilience	0	0		True Coverage A 0,00%
Subjugation	0	0		
Continuity	0	0		
Total Class A	0	0		
Class B		Missing		True Coverage B 0,00%
Non-Repudiation	0	0		Total True Coverage 0,00%
Confidentiality	0	0		
Privacy	0	0		
Integrity	0	0		
Alarm	0	0		
Total Class B	0	0		
		True Missing		
All Controls Total	0	0		
Whole Coverage	0,00%	0,00%		
LIMITATIONS			Item Value	Total Value
Vulnerabilities	0	0,000000	0,000000	Limitations 0,000000
Weaknesses	0	0,000000	0,000000	
Concerns	0	0,000000	0,000000	Security Δ 0,00
Exposures	0	0,000000	0,000000	
Anomalies	0	0,000000	0,000000	True Protection 100,00
Total # Limitations	0		0,0000	



Actual Security: 100,00



- Industry 74,49%
- Military 97,16%
- Bank/Insurance 84,36%
- Software-Vendors 73,12%
- Politicians 76,58%

Compare Security



Subjugation

quantify Trust]

Size

Visibility

Porosity

Value

Integrity



Symmetry

Offsets

Consistency

Components

Trust	Ergänzungen, Gegenstellen	RemoveApplyCountAverage										
		Size (one or many)	Symmetry	Visibility (Transparency, Monitoring)	Subjugation/Control	Consistency	Integrity	Offsets (egal)	Broken Trust Value	Components	Porosity	Trustworthiness
Not verified	Not verified	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Verified	Verified	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
MDM Controlled	MDM Controlled	100%	100%	60%	60%	100%	100%	-	0%	100%	80%	78%

Not allowed to show you ...

Welcome to Fedora Security Lab

This Trac/git instance is used for the development of the [Fedora Security Lab](#) also known as [Fedora Security Spin](#). This [linked packages](#) currently exist in Fedora and are on the Security Lab Live CD!

If you are just interested in the Spin itself, please visit the [security spin page](#).

Help us (aka Contribute)

There are many ways to help.

- Pick a task at the [Wishlist](#) or do a Package Review. For that just follow the [Tracker bug!](#)
- There are [some packages](#) which are in the repositories of Fedora and are waiting to get included into the Fedora Security Lab.
- Add relevant information sources to the [Documentation](#) page.
- Artwork

Further Questions how to contribute? Contact Joerg Simon - jsimon <at> fedoraproject.org

Git repository access

- [git://git.fedorahosted.org/git/security-spin.git/](#) (anon checkout)
- [ssh://git.fedorahosted.org/git/security-spin.git/](#) (commit access)

Misc


- [Create a Live CD](#)
- [Security related documents](#)
- [Competitors](#)
- [Some statistics](#)

Login

- Click the login link above and use your [Fedora Project](#) username and password.



The fedora security spin team



SIGNS
POINT TO



bug me

jsimon@fedoraproject.org

Development Home

<https://fedorahosted.org/security-spin/>

Help us on the Wishlist:

<https://fedorahosted.org/security-spin/report/1>

Your Contribution is welcome